

bracteae foliolaceae. Pedicelli usque ad 8 mm. longi. Sepala oblonga, 4.5--5 mm. longa. Petala elliptica, ca. 7 mm. longa. Stamina 4 mm. longa, filamentis glandulosis, ca. 1.2 mm. longis. Ovarium glabrum. --COSTA RICA: San José Province, low hills above Río Paquita, alt. 5--50 m., Aug. 15, 1936, G. W. Dodge & V. F. Goerger 9885 (Herb. Field Mus., No. 885,447, type). --A. paquitensis, allied to A. opegrapha Oerst., is remarkable for its large entire leaves up to 30 cm. long and 13.5 cm. wide, and the small inflorescence scarcely 3.5 cm. long.

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(a) Papers from the University of Michigan Herbarium.

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A NEW SPECIES OF PREMNA FROM THE PHILIPPINES

E. D. Merrill

PREMNA ATRA Merrill, sp. nov. *§ Premnos.*

Arbor parva, inflorescentiis exceptis glabra vel subglabra, ramis pallidis, subteretibus, ramulis brunneis, glabris vel leviter pubescentibus; foliis in sicco atris, utrinque concoloribus nitideisque, oblongo-ovatis vel late lanceolato-ovatis, integris, firmiter chartaceis, 8--15 cm. longis, 4--6 cm. latis, sursum angustatis, longe acuminatis, basi subrotundatis, utrinque glabris vel supra ad costam nervosique et subtus in axillis inferioribus breviter pubescentibus; nervis primariis utrinque 5--6, perspicuis, utrinque plus minusve elevatis, plerumque pallide brunneis, laxe arcuato-anastomosantibus, reticulis primariis sublaxis, ultimis subobscuris, subcatervis; petiolis 1.5--4 cm. longis, supra subplanis vel leviter canaliculatis, hic breviter pubescentibus, ceteroquin glabris; inflorescentiis terminalibus, corymboso-cymosis, plerumque pedunculatis (pedunculo 1--2.5 cm. longo), 5--7 cm. longis latisque, breviter subadpresso pubescentibus (*praesertim* partibus junioribus); floribus circiter 5 mm. longis, in sicco atris, pedicellis circiter 1 mm. longis, bracteis oblongis, obtusis, circiter 2 mm. longis, bracteolis brevioribus vix 1 mm. longis; calycibus subobliquis, distincte 2-labiatis, cupulatis, glabris vel extus parcissime breviter pubescentibus, labio majore 3-lobato, minore 2-lobato, lobis late rotundatis, brevibus; corolla extus glabra, intus villosa, 2-labiata, labio inferiore 3-lobato, lobis centralibus ad 1.5 mm. longis, suborbiculari-

ovatis, rotundatis, lateralibus paullo brevioribus, labio superiore late truncato-rotundato vel obscure retuso; ovario globoso, glabro; stylis filamentisque glabris; fructibus immaturis subglobosis, glabris, 4-locellatis, circiter 4 mm. diametro.

PHILIPPINES: Luzon, Rizal Province, Mount Irig and Mount Lumutan, Bur. Sci. 41873 (type, herb. Arnold Arboretum) 42171 Ramos, February and April, 1925.

A species clearly belonging to the section Premnos, strongly characterized by its nearly glabrous, entire, long acuminate, shining leaves, these and the inflorescences characteristically black when dry. By the characters of Dr. Lam's key to the Malaysian species it falls in the group with Premna benguetensis Merr., a species totally different in all respects.

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NOVELTIES IN THE ERICCAULACEAE AND VERBENACEAE

Harold N. Moldenke

SYNGONANTHUS VAUPESANUS Moldenke, sp. nov.

Herba acaulis; foliis caespitosis reflexis numerosis linearibus obtusis utrinque glabris nitidisque; pedunculis gracillimis aggregatis bicostatis dense albido-tomentellis; vaginis glabris.

Acaulescent herb; leaves basal, tufted, reflexed or appressed to the ground, numerous, linear, 1--3.5 cm. long, about 1 mm. wide at the middle, blunt at apex, glabrous and shining on both surfaces; peduncles very slender, aggregate, 4-6 or more per plant, 15-24 cm. long, 2-costate, slightly twisted, densely white-tomentellous throughout; sheaths narrow, closely appressed, equaling or surpassing the leaves, 1.5-3 cm. long, slightly twisted, glabrous, obliquely split at apex, the blade appressed and bluntnish; heads hemispheric, 3-9 mm. in diameter; involucral bracts numerous, very conspicuous and showy, white, their margins subhyaline, obovate or oblanceolate, the outermost ones slightly stramineous, about 2.5 mm. long and 1.5 mm. wide, the inner ones about 4.5 mm. long and 2 mm. wide, rounded at apex, more or less navicular-cucullate, glabrous; receptacle densely villous with tenuous translucent hairs; staminate florets: sepals 3, separate, hyaline, translucent, oblanceolate, about 2 mm. long and 0.5 mm. wide, rounded at apex, glabrous; petal-tube very pale-stramineous, translucent, 1.3-1.4 mm. long, glabrous, ampulate and 3-lobed at apex, the lobes very short, rounded,